YARN TEXTURING TECHNOLOGY

1	Course Title:	YARN TEXTURING TECHNOLOGY	
2	Course Code:	TEK5550	
3	Type of Course:	Optional	
4	Level of Course:	Second Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	6.00	
8	Theoretical (hour/week):	3.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Doç. Dr. SERPİL KORAL KOÇ	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	skoral@uludag.edu.tr / 0 224 2942065 Bursa Uludağ Üniversitesi, Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü, Görükle-Bursa	
17	Website:		
18	Objective of the Course:	To understand texturing methods and properties of textured yarns	
19	Contribution of the Course to Professional Development:	In the textile industry, most of the synthetic filaments are used after being textured. For this reason, every textile engineer should know texturing methods and properties of textured yarns. In this respect, it is thought that this course will make an essential contribution to the professional development of the students.	
20	Learning Outcomes:		
		1	To understand the purpose of the texturing process.
		2	To understand the texturing methods.
		3	To understand the properties of the textured yarns and to be able to distinguish them.
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21	Course Content:		

Course Content:

Week	Theoretical	Practice
1	Definition, purpose, and classification of the texturing process.	
2	False-twist texturing process	
3	False-twist texturing process	
4	False-twist texturing process	

5	Stuffer-box texturing method	
6	Other thermo-mechanical texturing methods	
7	Air-jet texturing process	
8	Air-jet texturing process	
9	Air-jet texturing process	
10	Bulked continuous-filament yarns (BCF)	
11	Other texturing methods	
12	Laboratory testing of textured yarns	
13	Testing of textured yarns	
14	Testing of textured yarns	

22	Textbooks, References and/or Other Materials:	-Current research papers about texturing process -Sentetik Filament İplik Üretim ve Tekstüre Teknolojileri/ Ali Demir, İstanbul, 2006. -Yarn Texturing Technology, J W S Hearle, L Hollick and D K Wilson, Textile Institute, 2001. -False Twist Textured Yarns, C Atkinson, Woodhead Publishing, 2012.
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Final Exam	1	60.00
Contribution of Term (Year) Learning Activities to		40.00
Contribution of Final Exam to Success Grade		60.00
Measurement and Evaluation Techniques Used in the		Measurement and evaluation are carried out through

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	3.00	42.00
Homeworks	1	40.00	40.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	20.00	0.00
Others	0	0.00	0.00
Final Exams	1	56.00	56.00

24 ECTS / WORK LOAD TABLE

Total Work Load		180.00
Total work load/ 30 hr		6.00
ECTS Credit of the Course		6.00

25	**CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS**															
	PQ1	**PQ2**	**PQ3**	**PQ4**	**PQ5**	**PQ6**	**PQ7**	**PQ8**	**PQ9**	**PQ10**	**PQ11**	**PQ12**	**PQ13**	**PQ14**	**PQ15**	**PQ16**
ÖK1	5	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0
ÖK2	5	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0
ÖK3	5	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High